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AMENDMENT

IN THE CLAIMS:

- (ORIGINAL) A gear reduction unit comprising:
- a drive shaft;
- an electric motor that rotatably drives the drive shaft,
- a magnet disposed on the drive shaft;
- a sensor disposed in proximity to the magnet; and
- a removable connector that supports the sensor and carries current to the electric motor.
- 2. (ORIGINAL) The gear reduction unit according to claim 1, wherein a maximum distance between the sensor and the magnet is 4 mm.
- 3. (CURRENTLY AMENDED) The gear reduction unit according to claim 2, wherein the a distance between the sensor and the magnet is 2 mm.
- 4. (ORIGINAL) The gear reduction unit according to claim 1, wherein the magnet is a ring having at least one North pole and at least one South pole and is polarized transverse to a longitudinal axis of the drive shaft.
- 5. (ORIGINAL) The gear reduction unit according to claim 4, wherein the magnet has a plurality of North poles and a plurality of South poles.
- 6. (CURRENTLY AMENDED) The gear reduction unit according to claim 1, wherein the <u>removable</u> connector comprises a <u>printed</u> circuit board defining a plane, wherein the sensor is fixed to the <u>printed</u> circuit board and offset relative to the plane formed by the printed circuit board.
- 7. (CURRENTLY AMENDED) The gear reduction unit according to claim 6, further comprising connection tabs that are fitted to the sensor to fix the sensor to the <u>printed</u> circuit board.

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- 8. (CURRENTLY AMENDED) The gear reduction unit according to claim 6, wherein the <u>removable</u> connector further comprises electrical supply contacts to supply <u>the</u> current to the <u>electric</u> motor.
- 9. (CURRENTLY AMENDED) The gear reduction unit according to claim 1, wherein the removable connector includes a guide hole and the sensor is disposed in a-the guide hole in the connector.
- 10. (CURRENTLY AMENDED) The gear reduction unit according to claim 1, wherein the <u>electric</u> motor comprises a housing and the <u>removable</u> connector comprises a case, wherein an interface between the housing and the case forms a watertight seal.
- 11. (ORIGINAL) The gear reduction unit according to claim 1, wherein the sensor is a Hall effect sensor.
 - 12. (CURRENTLY AMENDED) A connector for a gear reduction unit, comprising: a printed circuit board defining a plane;
- a sensor is fixed to the <u>printed</u> circuit board and offset relative to the plane formed by the printed circuit board; and
 - a case housing the printed circuit board and the sensor.
- 13. (CURRENTLY AMENDED) The connector according to claim 12, further comprising connection tabs that are fitted to the sensor to fix the sensor to the <u>printed</u> circuit board.
- 14. (ORIGINAL) The connector according to claim 12, further comprising electrical supply contacts for supplying current to a motor in the gear reduction unit.
- 15. (CURRENTLY AMENDED) The connector according to claim 12, wherein the case beginned as a guide hole and wherein the sensor is disposed in the guide hole.

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- 16. (ORIGINAL) The connector according to claim 12, wherein the sensor is a Hall effect sensor.
- 17. (NEW) The gear reduction unit as recited in claim 1, wherein the removable connector includes a releasable fastener that releasably secures the removable connector in the gear reduction unit.